

TİCARİ TİP HAVA SOĞUTMALI KONDENSERLER
COMMERCIAL TYPE AIR COOLED CONDENSERS
COMMERCIAL TYP LUFTGEKÜHLTE VERFLÜSSIGER

0,57 kW ÷ 46,1 kW



| | | |
|---|---|---|
| <p>DİZAYN - KASETLEME Aynalar ve diğer kaplama saçları levha alüminyum veya galvanizli çelikten yapılmıştır.</p> <p>BATARYA Batarya, Alüminyum kanatlar ile 3/8" ve 5/16" çapında bakır borulardan üretilir. Giriş-Çıkış bağlantıları bakır boruludur. Sistem 30 barda teste tabi tutulup düşük basınçlı olarak sevk edilir.</p> <p>FANLAR Fanlar aksiyal tipte olup, 230V - 50Hz 1400 d/dk EBM ve ZIEHL-ABEGG veya muadilidir. Motor sargısı ısı izolasyonu "B" sınıfıdır. -40°C / +70°C arasında çalışabilirler.</p> <p>KAPASİTE STANDARTLARI Akışkan : Freon 22 Hava Giriş Sıcaklığı : 25 °C Kondenzasyon Sıcaklığı : 40 °C ΔT= 15°K : 40-25 = 15 °C Rakım : 0 m</p> <p>KONDENSER SEÇİMİ Kondenser kapasitesi aşağıdaki formüller vasıtası ile bulunabilir. FORMÜL 1 Qnk = (Q + N) x f2 x f3 x f4 x f5</p> <p>Qnk = Nominal kondenser kapasitesi. Q = Kompresörün soğutma kapasitesi. N = Kompresör motorunun çektiği güç. Q ve N kompresör kataloglarından bulunabilir. Detaylı bilginin olmadığı durumlarda Formül 2 uygulanır: FORMÜL 2 Qnk = Q x f1 x f2 x f3 x f4 x f5</p> | <p>DESIGN-CASING The casing is made of aluminum sheet or galvanized steel sheet.</p> <p>FINNED COIL Heat Exchangers are manufactured with aluminum fins and 3/8" and 5/16" copper tubes. Inlet and outlet connections copper tubes. The system is tested at 30 bar and delivered under low pressure.</p> <p>FANS Fans axial type with 230 V, 50 Hz, 1400 rpm EBM and ZIEHL-ABEGG brand or equivalent. Motor insulation class "B" and working conditions -40°C/+70°C.</p> <p>CAPACITY STANDARTS Refrigerant : Freon 22 Air Inlet Temperature : 25 °C Condensation Temperature : 40 °C ΔT : 40-25 = 15 °C Altitude : 0 m</p> <p>KONDENSER SELECTION Condenser selection can be made by using formulas below. FORMULA 1 Qnk = (Q + N) x f2 x f3 x f4 x f5</p> <p>Qnk = Nominal condenser capacity Q = Refrigerating capacity of compressor N = Absorbed compressor power These data can be obtained from the compressor catalogues. If absorbed compressor power is unknown, please use Formula 2. FORMULA 2 Qnk = Q x f1 x f2 x f3 x f4 x f5</p> | <p>AUSFÜHRUNG - VERKLEIDUNG Die Spiegel und die anderen bedeckten Blechplatten sind aus Aluminiumblech oder verzinktem Stahlblech gefertigt.</p> <p>VERFLÜSSIGER BLOCK Die Kältemittelintritts- und Austrittsverbindungen bestehen aus Kupferrohren und die Enden sind zugeschweißt. Das System wurde mit 30 bar getestet und mit niedriger Schutzdruck geliefert.</p> <p>VENTILATOREN Die Ventilatoren sind Axialventilatoren, mit 230V - 50Hz, 1400 rpm. Die EBM und ZIEHL-ABEGG - oder gleichwertigen Lüftermotoren werden verwendet. Die Motorwicklungen entsprechen der Klasse "B" Isolierung und die Einsatzbedingungen liegen zwischen -40°C, +70°C.</p> <p>Leistungsnormen Kältemittel : Freon 22 Eintritts Temperatur : 25°C Verflüssigungstemperatur : 40°C ΔT : 40-25 = 15°C Aufstellungsorte : 0 m</p> <p>VERFLÜSSIGER AUSWAHL Die Verflüssigerleistung, können sie mit der unten genannten Formel berechnen. FORMEL 1 Qnk = (Q + N) x f2 x f3 x f4 x f5 Qnk = Verflüssiger-Nennleistung Q = Kälteleistung N = Leistungsaufnahme Q und N können sie im Verdichterkatalog finden. Wenn sie diesen nicht haben, können sie die Formel 2 benutzen. Formel 2: Qnk = Q x f1 x f2 x f3 x f4 x f5</p> |
|---|---|---|

Tablo 1 / Table 1 / Tabelle 1

Açık Kompresör / Open Compressors / Offene Kompressoren

| Evaporasyon Sıcaklığı Evaporating Temperature Verdampf Temperatur °C | Kondenzasyon Sıcaklığı Condensing Temperature Kondensationtemperatur °C | | | | | | |
|---|--|------|------|------|------|------|------|
| | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| -35 | 1,36 | 1,41 | 1,44 | - | - | - | - |
| -30 | 1,31 | 1,36 | 1,40 | 1,44 | - | - | - |
| -25 | 1,27 | 1,32 | 1,36 | 1,41 | 1,45 | - | - |
| -20 | 1,24 | 1,28 | 1,31 | 1,35 | 1,39 | 1,44 | - |
| -15 | 1,20 | 1,24 | 1,27 | 1,31 | 1,35 | 1,39 | 1,44 |
| -10 | 1,18 | 1,21 | 1,24 | 1,27 | 1,31 | 1,35 | 1,40 |
| -5 | 1,15 | 1,18 | 1,21 | 1,24 | 1,27 | 1,31 | 1,36 |
| 0 | 1,13 | 1,15 | 1,18 | 1,21 | 1,24 | 1,27 | 1,31 |
| 5 | 1,10 | 1,13 | 1,15 | 1,18 | 1,21 | 1,24 | 1,28 |
| 10 | 1,08 | 1,11 | 1,13 | 1,15 | 1,17 | 1,21 | 1,24 |

Hermetik ve yarı hermetik kompresör

Hermetic and Semi-hermetic compressors/
Hermetische und Halbhermetische Verdichter

| Evaporasyon Sıcaklığı Evaporating Temperature Verdampf Temperatur °C | Kondenzasyon Sıcaklığı Condensing Temperature Kondensationtemperatur °C | | | | | | |
|---|--|------|------|------|------|------|------|
| | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| -40 | 1,64 | 1,69 | 1,76 | 1,86 | 2,03 | - | - |
| -35 | 1,56 | 1,61 | 1,66 | 1,73 | 1,83 | - | - |
| -30 | 1,48 | 1,53 | 1,57 | 1,62 | 1,69 | - | - |
| -25 | 1,42 | 1,46 | 1,50 | 1,54 | 1,60 | 1,68 | - |
| -20 | 1,37 | 1,40 | 1,44 | 1,48 | 1,53 | 1,60 | - |
| -15 | 1,32 | 1,35 | 1,38 | 1,43 | 1,48 | 1,53 | 1,58 |
| -10 | 1,28 | 1,31 | 1,34 | 1,37 | 1,42 | 1,46 | 1,52 |
| -5 | 1,23 | 1,26 | 1,29 | 1,33 | 1,37 | 1,41 | 1,45 |
| 0 | 1,20 | 1,22 | 1,25 | 1,28 | 1,32 | 1,36 | 1,39 |
| 5 | 1,16 | 1,19 | 1,21 | 1,24 | 1,28 | 1,31 | 1,34 |
| 10 | 1,13 | 1,15 | 1,18 | 1,21 | 1,23 | 1,26 | 1,29 |

Örnek / Example / Beispiel

Kompresörün soğutma kapasitesi / Refrigerating capacity of compressor / Kälteleistung : 14.650 W
 Kompresör motorunun çektiği güç / Absorbed compressor power / Leistungsaufnahme : 5.620 W
 Kompresör Tipi / Compressor Type / Verdichtertyp : Yarı Hermetik / Semi-Hermetic / Halbhermetische
 Evaporasyon Sıcaklığı / Evaporation Temperature / Verdampfungs Temperatur : -10°C
 Hava Giriş Sıcaklığı / Air Inlet Temperature / Luft Eintrittstemperatur : 30°C
 Kondenzasyon Sıcaklığı / Condensing Temperature / Verflüssigungstemperatur : 40°C
 Rakım / Altitude / Aufstellungsorte : 500 m
 Soğutucu Akışkan / Refrigerant / Kaltemittel : R 22

ΔT = 40°C - 30°C = 10°C

f2= 1,44 f3 = 1,02 f4= 1,00 f5= 1,04

Qnk = (Q+N) x f2 x f3 x f4 x f5 = 30.960 kW

Seçilen kondenser / Selected condenser / Ausgewählter Verflüssiger :

HS 86 (32.510 W)

Tablo 2/ Table 2/ Tabelle 2 (f2)

ΔT

| ΔT (°C) | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| f2 | 1,78 | 1,56 | 1,44 | 1,32 | 1,22 | 1,12 | 1,06 | 1,00 | 0,95 | 0,90 | 0,85 | 0,80 | 0,75 |

Tablo 3 / Table 3 / Tabelle (f3)

Ortam Sıcaklığı Faktörü / Ambient Temperature Factor / Umgebungstemperatur

| T (°C) | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
|--------|------|------|------|------|------|------|------|------|
| f3 | 0,97 | 0,98 | 1,00 | 1,02 | 1,04 | 1,06 | 1,08 | 1,10 |

Tablo 4/ Table 4/ Tabelle (f4)

Soğutucu Akışkan Faktörü / Refrigerant factor / Kaltemittel

| R | R134A | R22 | R404A |
|----|-------|------|-------|
| f4 | 0,98 | 1,00 | 1,01 |

Tablo 5/ Table 5/ Tabelle (f5)

Rakım / Altitude / Aufstellungsort

| h (m) | 0 | 500 | 1000 | 1500 | 2000 | 2500 | 3000 |
|-------|------|------|------|------|------|------|------|
| f5 | 1,00 | 1,04 | 1,07 | 1,11 | 1,16 | 1,21 | 1,25 |

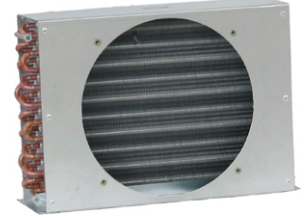
TT



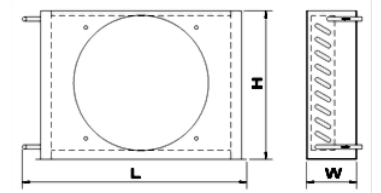
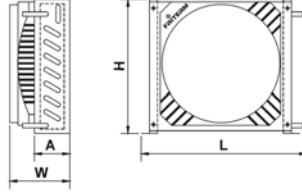
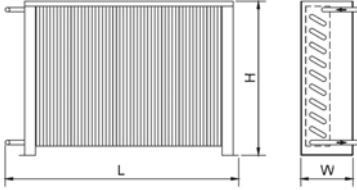
MK



DK



Bakır boru / Copper pipe / Kupferrohr = 5/16"
 Geometri / Geometry / Geometrie = F2522



*Plastik Davlumbazlı üretilir
 *Manufactured with Plastic fan housing
 *Werden mit Kunststoffhaube hergestellt

*Galvanizli çelik Sac Davlumbazlı üretilir
 *Manufactured with Galvanized steel fan housing
 *Werden mit verzinktem Stahlblechhaube hergestellt

TT SERİSİ / TT SERIES / TT SERIE

| Model Type Typ | Kapasite Capacity Leistung | | Yüzey Area Oberfläche | Fan / Fan / Ventilatoren | | | Bağlantılar Connection Anschlüsse | | Boyutlar Dimensions Abmessungen | | |
|----------------------|----------------------------------|--------|-----------------------------|---------------------------------|-----------------------------|---------------------------|---|----------------------------|---------------------------------------|-----|-----|
| | | | | Çapı Diameter Durchmesser | Debisi Flow Luftmenge | Gücü Power Leistung | Giriş / Inlet Eintritt | Çıkış / Outlet Austritt | | | |
| | Watts | kcal/h | m ² | mm | m ³ /h | Watts | mm | mm | L | H | W |
| TT 20 | 565 | 490 | 1,3 | 1 X 200 | 380 | 1 X 31 | 5/16" | 5/16" | 310 | 225 | 65 |
| TT 25 | 825 | 710 | 1,6 | 1 X 200 | 380 | 1 X 31 | 5/16" | 5/16" | 310 | 280 | 100 |
| TT 33 | 990 | 850 | 2,3 | 1 X 250 | 665 | 1 X 70 | 5/16" | 5/16" | 355 | 330 | 100 |
| TT 50 | 1.300 | 1.120 | 3,4 | 1 X 250 | 620 | 1 X 70 | 5/16" | 5/16" | 355 | 330 | 120 |
| TT 75 | 1.900 | 1.630 | 4,5 | 1 X 300 | 1.600 | 1 X 115 | 3/8" | 3/8" | 415 | 330 | 120 |
| TT100 | 2.260 | 1.940 | 6,0 | 1 X 300 | 1.510 | 1 X 115 | 3/8" | 3/8" | 415 | 330 | 140 |

MK SERİSİ / MK SERIES / MK SERIE

| Model Type Typ | Kapasite Capacity Leistung | | Yüzey Area Oberfläche | Fan / Fan / Ventilatoren | | | Bağlantılar Connection Anschlüsse | | Boyutlar Dimensions Abmessungen | | | |
|----------------------|----------------------------------|--------|-----------------------------|---------------------------------|-----------------------------|---------------------------|---|----------------------------|---------------------------------------|-----|-----|-----|
| | | | | Çapı Diameter Durchmesser | Debisi Flow Luftmenge | Gücü Power Leistung | Giriş / Inlet Eintritt | Çıkış / Outlet Austritt | | | | |
| | Watts | kcal/h | m ² | mm | m ³ /h | Watts | mm | mm | L | H | W | A |
| MK 20 | 610 | 530 | 1,4 | 1 X 200 | 380 | 1 X 31 | 5/16" | 5/16" | 290 | 245 | 110 | 65 |
| MK 25 | 820 | 710 | 2,1 | 1 X 200 | 365 | 1 X 31 | 5/16" | 5/16" | 290 | 245 | 135 | 90 |
| MK 33 | 970 | 830 | 2,8 | 1 X 200 | 350 | 1 X 31 | 5/16" | 5/16" | 290 | 245 | 155 | 110 |
| MK 50 | 1.630 | 1.400 | 4,5 | 2 X 200 | 740 | 2 X 31 | 5/16" | 5/16" | 550 | 245 | 135 | 90 |
| MK 75 | 1.970 | 1.690 | 6,1 | 2 X 200 | 715 | 2 X 31 | 3/8" | 3/8" | 575 | 245 | 155 | 110 |

DK SERİSİ / DK SERIES / DK SERIE

| Model Type Typ | Kapasite Capacity Leistung | | Yüzey Area Oberfläche | Fan / Fan / Ventilatoren | | | Bağlantılar Connection Anschlüsse | | Boyutlar Dimensions Abmessungen | | |
|----------------------|----------------------------------|--------|-----------------------------|---------------------------------|-----------------------------|---------------------------|---|----------------------------|---------------------------------------|-----|-----|
| | | | | Çapı Diameter Durchmesser | Debisi Flow Luftmenge | Gücü Power Leistung | Giriş / Inlet Eintritt | Çıkış / Outlet Austritt | | | |
| | Watts | kcal/h | M ² | mm | m ³ /h | Watts | mm | mm | L | H | W |
| DK 01 | 1.050 | 900 | 2,3 | 1 X 250 | 675 | 1 X 70 | 5/16" | 5/16" | 425 | 280 | 95 |
| DK 02 | 1.410 | 1.210 | 3,5 | 1 X 250 | 665 | 1 X 70 | 5/16" | 5/16" | 425 | 280 | 130 |
| DK 03 | 1.710 | 1.470 | 4,7 | 1 X 250 | 650 | 1 X 70 | 1/2" | 5/16" | 430 | 280 | 150 |
| DK 04 | 2.700 | 2.320 | 6,9 | 2 X 250 | 1.250 | 2 X 70 | 1/2" | 1/2" | 760 | 280 | 130 |
| DK 05 | 3.530 | 3.040 | 9,2 | 2 X 250 | 1.130 | 2 X 70 | 1/2" | 1/2" | 760 | 280 | 150 |



HS

HS - Bakır boru / Copper pipe / Kupferrohr = 3/8"
Geometri / Geometry / Geometrie = F3228

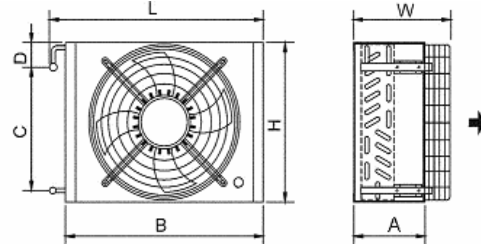
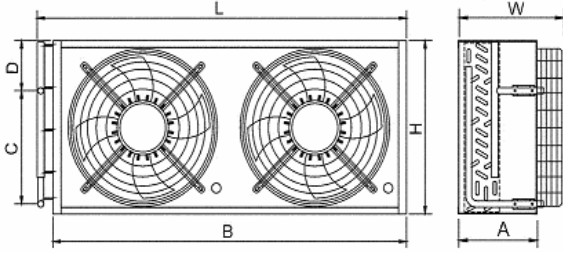


EHS

EHS - Bakır boru / Copper pipe / Kupferrohr = 3/8"
Geometri / Geometry / Geometrie = F2522

* EHS Kondenserler, elektrostatik toz boya ile boyanarak kasetlenmiştir.

EHS series condensers manufactured with electrostatic powder painted casing. / Die EHS-Verflüssiger sind elektrostatisch mit Pulver beschichtet.

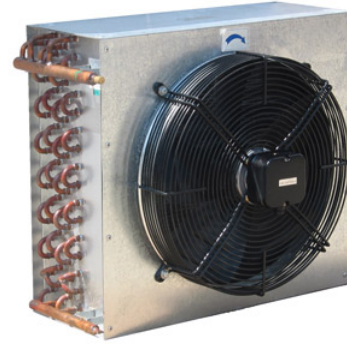


HS SERİSİ / HS SERIES / HS SERIE

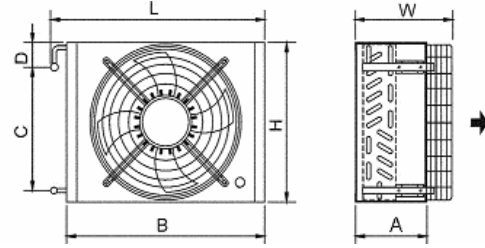
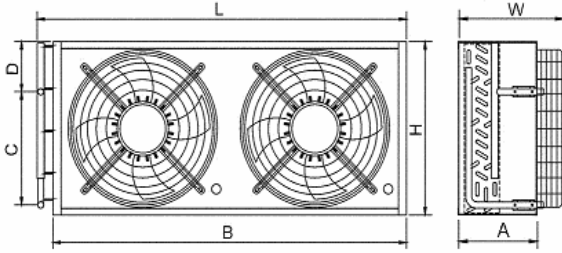
| Model Model Modell | Kapasite Capacity Leistung | | Yüzey Area Oberfläche | Fan / Fan / Ventilatoren | | | Ses seviyesi (10 m) Noise level Schalldruckpegel | Bağlantılar Connection Anschlüsse | | Boyutlar Dimensions Abmessungen | | | | | | |
|--------------------------|----------------------------------|--------|-----------------------------|---------------------------------|-----------------------------|---------------------------|--|---|-----------------------------|---------------------------------------|-----|-----|-----|------|-----|-----|
| | | | | Çapı Diameter Durchmesser | Debisi Flow Luftmenge | Gücü Power Leistung | | Giriş Inlet Eintritt | Çıkış Outlet Austritt | L | H | A | W | B | C | D |
| | Watts | kcal/h | m ² | mm | m ³ /h | Watts | dB(A) | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| HS 10 | 4.335 | 3.730 | 9,8 | 350 | 2.301 | 145 | 34 | 19 | 5/8" | 560 | 390 | 180 | 360 | 510 | 302 | 60 |
| HS 12 | 4.790 | 4.125 | 11,3 | 350 | 2.440 | 145 | 34 | 19 | 5/8" | 630 | 390 | 180 | 360 | 580 | 302 | 60 |
| HS 16 | 6.590 | 5.670 | 15 | 400 | 3.353 | 185 | 39 | 19 | 5/8" | 630 | 520 | 220 | 420 | 580 | 429 | 62 |
| HS 20 | 7.790 | 6.705 | 20,1 | 400 | 3.148 | 185 | 39 | 22 | 19 | 630 | 520 | 220 | 420 | 580 | 429 | 62 |
| HS 25 | 9.920 | 8.540 | 24,7 | 450 | 4.188 | 225 | 43 | 22 | 19 | 680 | 580 | 250 | 450 | 630 | 492 | 60 |
| HS 30 | 13.415 | 11.545 | 29,1 | 500 | 6.224 | 345 | 49 | 22 | 19 | 780 | 580 | 250 | 450 | 730 | 492 | 60 |
| HS 35 | 15.330 | 13.190 | 34,3 | 500 | 6.769 | 345 | 49 | 22 | 19 | 900 | 580 | 250 | 450 | 850 | 492 | 60 |
| HS 40 | 18.000 | 15.490 | 39,3 | 2 X 450 | 7.800 | 2 X 225 | 46 | 22 | 19 | 1140 | 520 | 250 | 450 | 1080 | 340 | 150 |
| HS 45 | 18.575 | 15.990 | 44,3 | 2 X 450 | 8.000 | 2 X 225 | 46 | 22 | 19 | 1145 | 580 | 250 | 450 | 1080 | 378 | 180 |
| HS 50 | 20.200 | 17.380 | 49,5 | 2 X 450 | 8.376 | 2 X 225 | 46 | 28 | 22 | 1265 | 580 | 250 | 450 | 1200 | 378 | 180 |
| HS 64 | 27.040 | 23.270 | 61,8 | 2 X 500 | 11.100 | 2 X 345 | 52 | 28 | 22 | 1265 | 580 | 280 | 480 | 1200 | 378 | 180 |
| HS 72 | 29.185 | 25.115 | 70,5 | 2 X 500 | 11.276 | 2 X 345 | 52 | 28 | 22 | 1425 | 580 | 280 | 480 | 1360 | 378 | 180 |
| HS 86 | 32.510 | 27.975 | 84,6 | 2 X 500 | 11.120 | 2 X 345 | 52 | 28 | 22 | 1425 | 580 | 310 | 510 | 1360 | 378 | 180 |
| HS 100 | 42.630 | 36.690 | 97,6 | 3 X 500 | 16.650 | 3 X 345 | 54 | 35 | 22 | 1935 | 580 | 280 | 480 | 1850 | 378 | 180 |

EHS SERİSİ / EHS SERIES / EHS SERIE

| Model Model Modell | Kapasite Capacity Leistung | | Yüzey Area Oberfläche | Fan / Fan / Ventilatoren | | | Ses seviyesi (10 m) Noise level Schalldruckpegel | Bağlantılar Connection Anschlüsse | | Boyutlar Dimensions Abmessungen | | | | | | |
|--------------------------|----------------------------------|--------|-----------------------------|---------------------------------|-----------------------------|---------------------------|--|---|-----------------------------|---------------------------------------|-----|-----|-----|------|-----|-----|
| | | | | Çapı Diameter Durchmesser | Debisi Flow Luftmenge | Gücü Power Leistung | | Giriş Inlet Eintritt | Çıkış Outlet Austritt | L | H | A | W | B | C | D |
| | Watts | kcal/h | m ² | mm | m ³ /h | Watts | dB(A) | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| EHS 01 | 3.540 | 3.050 | 5,4 | 350 | 2.330 | 145 | 34 | 5/8" | 5/8" | 500 | 415 | 200 | 380 | 450 | 332 | 60 |
| EHS 02 | 4.560 | 3.925 | 8,1 | 350 | 2.062 | 145 | 34 | 5/8" | 5/8" | 500 | 415 | 200 | 380 | 450 | 332 | 60 |
| EHS 03 | 6.230 | 5.360 | 13,6 | 350 | 2.136 | 145 | 34 | 19 | 5/8" | 550 | 465 | 200 | 380 | 500 | 382 | 60 |
| EHS 04 | 9.110 | 7.840 | 15,9 | 450 | 4.174 | 225 | 43 | 19 | 5/8" | 800 | 465 | 200 | 400 | 750 | 382 | 60 |
| EHS 05 | 12.600 | 10.850 | 28,2 | 450 | 4.371 | 225 | 43 | 22 | 19 | 800 | 620 | 230 | 430 | 750 | 536 | 60 |
| EHS 06 | 15.590 | 13.415 | 40,3 | 450 | 4.891 | 225 | 43 | 22 | 19 | 910 | 770 | 230 | 430 | 850 | 514 | 220 |
| EHS 07 | 22.070 | 18.995 | 45,4 | 450 X 2 | 8.000 | 2 X 225 | 46 | 22 | 19 | 1150 | 670 | 230 | 430 | 1090 | 446 | 200 |
| EHS 08 | 25.940 | 22.325 | 58,8 | 450 X 2 | 8.884 | 2 X 225 | 46 | 28 | 22 | 1360 | 720 | 230 | 430 | 1300 | 487 | 213 |
| EHS 09 | 29.495 | 25.385 | 75,1 | 450 X 2 | 9.614 | 2 X 225 | 46 | 28 | 22 | 1610 | 770 | 230 | 430 | 1540 | 514 | 220 |
| EHS 10 | 46.175 | 39.740 | 112,6 | 500 X 2 | 14.191 | 2 X 345 | 52 | 35 | 22 | 1610 | 925 | 250 | 450 | 1540 | 601 | 300 |



Bakır boru / Copper pipe / Kupferrohr = 5/16"
Geometri / Geometry / Geometrie = F2522



MHS SERİSİ / MHS SERIES / MHS SERIE

| Model Model Modell | Kapasite Capacity Leistung | | Yüzey Area Oberfläche | Fan / Fan / Ventilatoren | | | Ses seviyesi (10 m) Noise level Schalldruckpegel | Bağlantılar Connection Anschlüsse | | Boyutlar Dimensions Abmessungen | | | | | | |
|--------------------------|----------------------------------|--------|-----------------------------|---------------------------------|-----------------------------|---------------------------|--|---|-----------------------------|---------------------------------------|-----|-----|-----|------|-----|-----|
| | | | | Çapı Diameter Durchmesser | Debisi Flow Luftmenge | Gücü Power Leistung | | Giriş Inlet Eintritt | Çıkış Outlet Austritt | L | H | A | W | B | C | D |
| | Watts | kcal/h | m ² | mm | m ³ /h | Watts | dB(A) | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| MHS2521 | 3.390 | 2915 | 8,3 | 2 X 250 | 1.490 | 2 X 70 | 27 | 5/8" | 5/8" | 765 | 320 | 170 | 340 | 720 | 267 | 26 |
| MHS2522 | 3.980 | 3425 | 11 | 2 X 250 | 1.410 | 2 X 70 | 27 | 5/8" | 5/8" | 765 | 320 | 170 | 340 | 720 | 267 | 26 |
| MHS3011 | 3.450 | 3970 | 7,7 | 1 X 300 | 1.400 | 1 X 115 | 29 | 5/8" | 5/8" | 495 | 367 | 170 | 340 | 450 | 318 | 23 |
| MHS3021 | 5.450 | 4690 | 11 | 2 X 300 | 2.950 | 2 X 115 | 32 | 5/8" | 5/8" | 855 | 367 | 170 | 340 | 810 | 318 | 23 |
| MHS3022 | 6.500 | 5590 | 14,6 | 2 X 300 | 2.750 | 2 X 115 | 32 | 19 | 5/8" | 860 | 367 | 170 | 340 | 810 | 318 | 23 |
| MHS3031 | 10.450 | 8990 | 21,9 | 3 X 300 | 4.130 | 3 X 115 | 34 | 19 | 5/8" | 1240 | 367 | 170 | 340 | 1190 | 244 | 100 |
| MHS3511 | 4.810 | 4135 | 9,3 | 1 X 350 | 2.190 | 1 X 145 | 34 | 5/8" | 5/8" | 520 | 420 | 220 | 400 | 475 | 368 | 24 |
| MHS3512 | 5.600 | 4820 | 14 | 1 X 350 | 1.920 | 1 X 145 | 34 | 5/8" | 5/8" | 520 | 420 | 220 | 400 | 475 | 368 | 24 |
| MHS3521 | 9.550 | 8215 | 18,7 | 2 X 350 | 4.380 | 2 X 145 | 37 | 19 | 5/8" | 950 | 420 | 220 | 400 | 900 | 368 | 24 |
| MHS3522 | 10.590 | 9110 | 23,3 | 2 X 350 | 4.090 | 2 X 145 | 37 | 19 | 5/8" | 950 | 420 | 220 | 400 | 900 | 292 | 101 |
| MHS3523 | 11.360 | 9770 | 28 | 2 X 350 | 3.840 | 2 X 145 | 37 | 22 | 5/8" | 950 | 420 | 220 | 400 | 900 | 295 | 101 |
| MHS4011 | 7.380 | 6350 | 15,5 | 1 X 400 | 2.860 | 1 X 185 | 39 | 5/8" | 5/8" | 600 | 466 | 220 | 420 | 550 | 333 | 111 |
| MHS4012 | 8.290 | 7130 | 18,5 | 1 X 400 | 2.700 | 1 X 185 | 39 | 5/8" | 5/8" | 600 | 466 | 220 | 420 | 550 | 320 | 124 |
| MHS4021 | 14.750 | 12685 | 30,9 | 2 X 400 | 5.720 | 2 X 185 | 42 | 22 | 5/8" | 1100 | 466 | 220 | 420 | 1050 | 308 | 136 |
| MHS4022 | 16.570 | 14250 | 37,1 | 2 X 400 | 5.400 | 2 X 185 | 42 | 22 | 5/8" | 1100 | 466 | 220 | 420 | 1050 | 320 | 124 |

FRİTERM A.Ş. 1979 yılında İstanbul'da kurulmuştur. Ticari soğutma, endüstriyel soğutma ve klima sektöründe projelendirme, imalat, taahhüt ve satış işleri yaparak tecrübe ve bilgi birikimi oluşturmuştur.

Süreç içinde geniş bir yelpazedeki faaliyet alanını daraltmış ve kanatlı borulu ısı eşanjörlerinde uzmanlaşarak Hava Soğutmalı Kondenselerler, Soğuk Oda Evaporatörleri, Kuru Soğutucular, Sulu/Buharlı Hava Isıtıcı ve Soğutucular, Yağ Soğutucuları ile Isı Geri Kazanım Bataryalarının üretimine odaklanmıştır.

FRİTERM A.Ş. İstanbul Tuzla'da 8800 m² kapalı alana sahip iki üretim tesisi ve 205 yetkin personeli, modern makina ve donanımı ile sektörün hizmetindedir.



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Reg. No: 04100 20020618

FRİTERM A.Ş. faaliyet alanındaki liderliğini ISO 9001:2000 Kalite Güvence Sistemini RW-TÜV den sertifikalandırarak sürdürmenin gururunu

tüm müşterileri ile paylaşmaktadır.

FRİTERM

tarafından geliştirilen batarya seçim yazılımı COILS 5.5 FRT1, Sulu Hava Isıtma ve Soğutma Bataryaları için EUROVENT sertifikalıdır ve performans onaylıdır.



ID NO: COILS-02-04-001/002/003/004



Tüm FRİTERM ürünleri ilgili Avrupa yeni yaklaşım direktiflerine uygun olarak üretilmektedir. Ürünlerin CE

işaretlemesi onaylı kuruluş TÜV Product Service - Stuttgart tarafından denetlenmiştir.

Ayrıca, Rusya Federasyonu ve BDT (Bağımsız Devletler Topluluğu) ülkelerine yapılan ihracatlarda zorunlu olan GOST belgelendirilmesi tüm FRİTERM ürünleri için tamamlanmıştır.



FRİTERM A.Ş. mutlak müşteri memnuniyetini esas almakta, Araştırma - Geliştirme ve özgün tasarıma önem vererek ürünlerinde fark yaratmaktadır.

FRİTERM A.Ş. kalite politikasını "Topluma ve çevreye duyarlı, müşteri memnuniyetini en üst düzeyde karşılayacak, kaliteli, ekonomik ürün ve hizmeti zamanında sunan lider bir takım olmak" olarak ortaya koymuştur.

Not : Katalogdaki değerlerin müşteriye haber vermeden değiştirilme hakkı tarafımızdan saklı tutulmaktadır.

FRİTERM A.Ş. was founded in 1979. In the first years, the company has worked as contractor for the applications of various industrial cooling, commercial cooling and air-conditioning projects.

In the meantime, FRİTERM has specialized on finned type heat exchangers and focused on the production of Air Cooled Condensers, Air Coolers, Dry Coolers, Water/Steam Air Heaters and Coolers, Oil Coolers and Heat Recovery Coils.

FRİTERM is working for the AC and Refrigeration markets with its two production plants having 8800 m² closed area in Tuzla - Istanbul with 205 qualified and experienced staff and modern machinery park.



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As being one of the leading manufacturers of finned type exchangers, FRİTERM meets the quality requirements of international markets.

Quality management system of FRİTERM has been certified by RW-TÜV with ISO 9001:2000 Certification.

COILS 5.5 FRT 1, the coil selection software developed by FRİTERM, is certified by EUROVENT for Air Heating and Cooling Coils Using Water.



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As well, all FRİTERM products are according to relevant European new approach directives and have CE marking which the corresponding tests have been carried out by TÜV Product Service - Stuttgart.

Furthermore, FRİTERM products have GOST Certification for export to Russian Federation and CIS (Commonwealth of Independent States).



FRİTERM takes absolute customer satisfaction as the basis of its mission. Thanks to qualified and skillful Research & Development team FRİTERM makes difference in its products by original designs and optimum solutions.

Quality policy of FRİTERM is "To be a leading team which provides high quality, economic products and service with precise delivery time, meeting full customer satisfaction while being environment friendly".

P.S. : Friterm reserves the right to make modifications in the catalog at any time without prior notice.

FRİTERM A.S. ist 1979 in Istanbul (Türkei) gegründet worden. Sie hat ihre Erfahrungen und ihr Wissen durch die Produktion von kommerziellen und industriellen Kühler- und Klimasystemen und durch unternehmerische Tätigkeiten gesammelt.

Mit der Zeit hat sie ihren breiten Tätigkeitsbereich eingeeengt und sich auf die Produktion von Wärmetauschern, Verdampfern für Kühlräume, Trockenkühler, Kühler und Wärmeerzeuger mit Wasser/Dampf, Öl-Kühler und Wärmerückgewinnungsbatterien konzentriert

FRİTERM A.S. ist mit ihren Produktionsanlagen in Tuzla/ Istanbul mit einer geschlossenen Gesamtfläche von 8800 m², 205 qualifizierten Mitarbeitern, modernen Maschinen und Ausrüstungen ständig im Dienst des Sektors.



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FRİTERM A.S. ist stolz darauf, daß ihre Kunden sie erneut als führendes Unternehmen in der Kälte- und Klimabranche bestätigt haben. Im besonderen deshalb, weil FRİTERM die Zertifikate über ihr Qualitätssicherungssystem ISO 9001:2000 vom RW-TÜV erhalten hat.

Die Fa. FRİTERM hat für das selbst entwickelte Berechnungsprogramm "COILS 5.5 FRT-1" für Luft-/Wasser-Wärmetauscher das EUROVENT Zertifikat erhalten.



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Alle FRİTERM Produkte werden gemäß den Regeln der Die EU- Richtlinien nach dem neuen Konzept entsprechend produziert. Die CE Markierung

der Produkte ist vom TÜV Product Service-Stuttgart kontrolliert worden.

Außerdem, ist die internationale GOST Zertifizierung der FRİTERM Produkte für den Export zur Russische Föderation und Unabhängige Staaten Gemeinschaft erfolgreich abgeschlossen.



Die Besonderheit unserer Produkte besteht in der eigenen Forschung und Entwicklung und dem originellen Design.

Unser Ziel ist die Zufriedenheit unserer Kunden und damit die Sicherstellung unserer Führungsrolle auf dem Markt in Qualität, Umweltverträglichkeit, gutem Service und Pünktlichkeit.

Vermerk : Wir behalten uns das Recht vor, die Werte aus dem Katalog ohne vorherige Mitteilung an Kunden zu ändern.



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